

This is a very safe-site: (no cookies/no tracking/no embedded ads/no social-media links/no-media conglomerate ownership, etc.) Purposely written/coded in basic HTML level 2.0+ by SPMcGreevy for full compatibility with older browsers. (THIS SITE IS BEST VIEWED ON A LARGE-SCREEN iMac w/OS-X/MacOS 10.11.6>10.17.x and newer MacOS versions coming - also views fine in Win 7 to 10/Linux-Ubuntu browsers - tablet/desktop optimal in landscape-view).

Solar Cycle 25 increases suddenly quite spectacularly but still haltingly, but the trend is for increasing solar-activity in 2023!... After a three-month hiatus in WR-3 production I have resumed sales at eBay (vlfradio). Pray for Global Peace (or else...) - SpM.

Wednesday, March 8

| Solar-Terrestrial Data | |
|---|------------|
| 08 Mar 2023 1553 GMT | |
| SFI: 180 | SN: 159 |
| A-Index: 11 | |
| K-Index: 1 | |
| X-Ray: C1.4 | |
| 304A: 169.6 @ SEM | |
| P1n Flx: 15 | |
| E1c Flx: 1410 | |
| Aurora: 2/n=1.99 | |
| Mag (Bz): -0.2 | |
| Solar Wind: 434.6 | |
| Condition | K-In A-In |
| Quiet | 0-2 0-7 |
| Unsettled | 3-4 8-15 |
| Active | 5-6 16-29 |
| Minor storm | 7-8 30-49 |
| Major storm | 9-10 50-99 |
| Severe storm | 11-12 >100 |
| http://www.norsh.com | |
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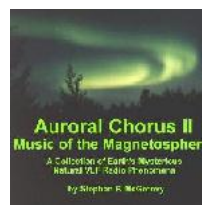


Welcome to the Realm of Natural ELF-VLF Radio Phenomena - Version Four

"The Music of the Magnetosphere and Space Weather"

www.auroralchorus.com

[My Radio-Experimentation \(and cats too!\) at my YouTube Channel - NEW March 2022](#)



[Eight Audio Albums \(MP3/WAV\) of Natural ELF-VLF Radio Phenomena: "The Music of the Magnetosphere"](#)

[And also links to Seven Radio-DXing/MW-DX/FM-DX/Radio-DXpeditions done globally/radio-beacons/etc. \(Internet Archives & SoundCloud Audio/Field-Recording Albums\)](#)

["The VLF Story" by Stephen P. McGreevy - \(about my ELF-VLF field-recording travels from 1989 to 2018\)](#)



[The WR-3 ELF-VLF Receiver Listening Guide](#)



Stereo delta-loops (orthogonally-oriented) early the morning of 01 October in the Talc City Hills SHP, Inyo, California - SP McGreevy

Occasional nice whistlers at this time early on Monday 01 October 2018 in the northern Mojave Desert - the best time of year to listen for whistlers - SP McGreevy

[Non-Directional Beacon \(NDB\) Gallery 1984 to 2016 Travel \(Popular page!\)](#)

[Mediumwave Radio DX \(and FM airchecks\) and some natural ELF-VLF radio in Iceland Dec. 2016](#)

[The Best of Mediumwave DX in Hawaii \(1986 to 1991\) and on Oahu, Hawaii November 2010](#)

[Alpha and Omega Radionav. Systems](#)

[\[STARDUST Capsule re-entry / Leonids meteor-storms FM-skip audio\]](#)

[Aurora Photo Gallery: 1995 to 2001 Expedition-Travel](#)

[Funky Abandoned Hawaii-Island Cars 1986 / 1991](#)

[Photos of LowFER and MedFER folks from the late 1980's](#)

[British Antarctic Survey - Port Lockeroy-The \(2001\) WR-4d-BAS ELF-VLF Receiver built for Port Lockeroy, Antarctica](#)

[The VLF Story \(first written in 1995 and updated to 2018\)](#)

[Build the McGreevy BBB-4 ELF-VLF \(e-field\) Receiver - simple and fun!](#)

[Beautiful Marin Fog](#)

[FM-broadcast band DX \(1988-2021 Es, Ms; plus VHF-low Band F2 skip\) and Analogue-NTSC Television DX \(2008-2013\) - \[2022 FM Es DX is on my AuroralChorus-X page - albums-page link is above\]](#)

[Many Natural ELF-VLF Radio and Radio DXing MP3 Albums at archive.org](#)

[A photo-Gallery of my visit to Latvia - September 2009](#)

[**Travel and Field Photos - Page One**](#)

[**Travel and Field Photos - Page Two**](#)

[**Electromagnetic-Smog Recording Project \(Microwaves: Radar/Cell-mobile/4G/WiFi/ovens/etc.\)**](#)

[**Glenn Hauser's World of Radio and DX Listening Digest**](#)

[**Electrically-quiet \(little or no-AC-hum\) locations I have found beginning in 1989.**](#)

[**The Longwave Club of America**](#)

[**Space Audio \(YouTube\) from the Fabulous U. Iowa Plasma Wave Group \(PWG\)**](#)



[**MICROSFERIC Real-time Lightning Sferic analysis and location\(s\) of source lightning sferics**](#)



A Summer 1996 photo of gorgeous aurora over northern Manitoba, Canada, taken during my Manitoba Solar-Minimum VLF Expedition way back on 22 August 1996. Central/Northern Manitoba, Canada is an excellent region in North America (in late-Summer when it is still mild weather) to see gorgeous Aurora Borealis. If you wish to witness this incredible spectacle for yourself, you don't have to wait until the cold/dark of winter to go northward to see gorgeous Aurora if you head for central/northern Manitoba or Saskatchewan, Canada in late August or early September. I love the vast Canadian Boreal Forest region for its feeling of deep-wilderness! - "The True North Strong and Free."

Furthermore, I cannot recommend highly enough to anyone whom wishes to see the aurora for yourself--from experience I can highly suggest that the finest period is the four weeks surrounding 01 September. Presently, auroral displays and also natural-radio phenomena are at a minimum due to overall minimal solar-activity as we finally-depart a deep Solar-Minimum (late 2020). The Solar-Flux (2800 MHz_ reached 101 on 08 September 2021 and large sunspot groups are appearing at high solar latitudes, thus exhibiting good signs of the coming Cycle 25 rising-up along with a ramping-up of good outbreaks of fine natural radio listening and phenomena. Aurora appears most frequently and brightly during the equinoctial periods around late-September and early-April (due to the alignment of Earth's magnetic-field and the IPF). Periods of fast solar-wind streams (>500 to 600 km/sec speeds) will often produce nice aurora and potentially a magnetic storm, too -- conditions ripe for whistlers.

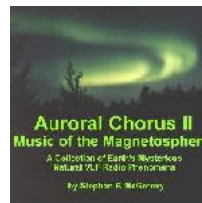
Thus, late August through mid-September will definitely present the mildest/warmest weather for viewing (short sleeves/pants weather) Summer Prairie-Beauty Canadian weather! Do head for Canada's High Plains/Boreal Forest region in late Summer. To be deep into the optimal locations under the auroral-oval for the most superb Aurora enjoyment, journey up toward Thompson, Manitoba; The Peace Country of Alberta; or Hay River, NWT (as I did in June 1996). Find an electrically-quiet camping location and enjoy the ELF-VLF show, too! (We are coming out of a very low Solar-Minimum presently and so the signals are considerably more rare and challenging to capture compared to my previous recording-expeditions presented herein.



Stephen P. McGreevy listening to natural-radio on Hrisey, Iceland - 11 Dec. 2016 - photo by KK

This is my website presenting the span of the time-period between June 1989 to the present in 2022 during which I have been researching and field-recording natural ELF-VLF radio phenomena via the Magnetosphere; lightning storms; telluric-origin signals; and radio "DXing."

(The entirety of this Version-Four website is in the Global-Public-Domain - nothing is copyrighted within and was updated on 09 September 2021.



[Eight Audio Albums \(MP3/WAV\) of Natural ELF-VLF Radio Phenomena](#)
["The Music of the Magnetosphere"](#)

[\(and also links to six radio DXing/MW-DX/FM-DX/Radio DXpeditions done globally/Radiobeacons/etc. \(Internet Archives Audio/Photo Albums\).](#)





Sea of Gold - Inyo County, Calif. - 20 May 2020 - Stephen P. McGreevy





N6NKS and WA6IJR - SLO County, CA 10Feb2020-DXing with restored R-1000



Stephen P. McGreevy on CA-136 at midnight Sept. 2003 - maker of the former 4096 kHz desert beacon cluster - pic by "K" —maker of the wind beacon



(my friend was riding my nice Trek to take this flash photo long ago in June 2003... near Swansea, Calif. "ghostlette-town.")



Beaconeering the 'Gendarme' beacon 6627.0

Steve McGreevy atop Maipais Mesa - Spring 2016 - pic by Karen R.







Darwin Pass and Malpais Mesa - 24 November 2022 - SPMcGreevy

